

# Avocent MergePoint Unity

## Fourth-Generation KVM over IP Appliance

■ Infrastructure Management & Monitoring for Business-Critical Continuity™

### Quick Facts

- Remote access to KVM, USB and serial connections
- Serial adaptors support SSH connections
- Serial adaptors support the Cisco pinout to make connections to Cisco equipment quick and easy
- Virtual media enables remote USB connections and support for smart card/CAC readers
- Built-in Web interface for standalone applications or can be managed with the DSView™ 3 management software\*
- Local and remote browser interface for easy setup and use
- FIPS 140-2 compliant cryptography – The FIPS mode of operation uses an embedded FIPS 140-2 certified OpenSSL cryptographic module (Certificate #1051)

\* version 3.7 or above

### Avocent Can Help You Answer Questions Like:

- How can I access a remote server that is having an OS or network connectivity issue?
- If a server drops off the network, how can I quickly determine the cause and restore connectivity?
- How can I access a remote server to restart a service or stop a runaway process if my remote software tools cannot make a connection?
- How can I use smart card readers for computer authentication if I am using remote hardware such as digital KVM switches?
- When working on remote server OS or application issues, how can I transfer data or load a new application if the network connection on that device is down or unavailable?
- How can I access the configuration port of a network router or switch that is off-line without having to take my laptop and a serial cable into the data center?

The Avocent MergePoint Unity™ appliance is the fourth generation KVM over IP appliance from Avocent.

This appliance provides IT administrators a complete remote management solution to access and control servers, networking equipment and other devices found in data centers and branch offices.

The MergePoint Unity switch enhances the in-band management typically done through the NIC of IT equipment by providing secure and remote out-of-band connections directly to the physical KVM, USB and serial ports. This unified approach enables IT administrators a faster method to diagnose, reconfigure or restore equipment to meet SLAs and minimize downtime.

### Improve Remote Management and Staff Efficiency

- Reduce the time required to remotely diagnose/reconfigure/repair/restore servers as well as network devices and other hardware with serial configuration and/or management consoles.
- Complement in-band tools to create a more complete remote management solution to access servers and network equipment at remote locations.
- Virtual media enables remote USB connections to map CD-ROM and other USB mass storage devices directly to remote servers to transfer/copy files, load updates or install new applications, etc.
- Integrated serial device support allows secure SSH connections to the physical serial ports of devices attached to the MPUIQ-SRL module. The Cisco® configuration settings electronically pin out the module to enable a fast and direct connection to Cisco configuration ports, without the need for any additional external wiring adapters or special wiring.

### Improve Physical Security

- Remote smart card/CAC reader support is provided for advanced security requirements. Using the virtual media capabilities of the MergePoint Unity switch, a smart card reader can be mapped from a desktop PC out to a remote server.
- Reduce the need to physically enter the data centers for local access and control. The MergePoint Unity switch provides remote users the capabilities of a direct physical connection from anywhere to KVM, USB and serial ports of servers and other IT equipment.



MergePoint Unity  
32-port appliance



## Specifications

### Mechanical

**Size:** HxWxD

1.72 in. (4.37 cm) H

17 in. (43.18 cm) W

16- or 32-port models: 13.38 in. (34 cm) D

4- or 8-port models: 9.2 in. (23.4 cm) D

**Weight:**

4- and 8-port single power: 6.3 lbs. (2.86 Kg)

8-port dual power: 6.8 lbs. (3.08 Kg)

16- and 32-port single power: 8.1 lbs. (3.67 Kg)

16- and 32-port dual power: 8.6 lbs. (3.9 Kg)

### Ports/Connections

**Network:** Number: 2

Type: 10/100/1000 Ethernet

**Power Control Ports:** Number: 2

Type: RS232 serial

Connector: 8-pin modular

**Device Ports:** Number: 4, 8, 16 or 32

Connector: 8-pin modular

**Local Console:** Number: 1

Connector: USB and VGA

### Power Supply

**Number:** Single or dual power supplies

**Type:** Internal

**AC input range:** 100-240V

### Video Resolution

Local and remote up to 1280x1024

(1600x1200 using the MPUIQ-VMC)

### Standards

**Approved Agency:** UL, FCC, cUL, ICES-003, CE, VCCI, KCC, C-Tick, GOST, FIPS 140-2 compliant cryptography – The FIPS mode of operation uses an embedded FIPS 140-2 certified OpenSSL cryptographic module (Certificate #1051)

### Warranty

Two Years

## ORDERING DETAILS

PART #	DESCRIPTION
MPU104E-XXX	4-port, 1 digital KVM path, single AC power supply
MPU108E-XXX	8-port, 1 digital KVM path, single AC power supply
MPU108EDAC-XXX	8-port, 1 digital KVM path, dual AC power supply
MPU1016-XXX	16-port, 1 digital KVM path, single AC power supply
MPU1016DAC-XXX	16-port, 1 digital KVM path, dual AC power supply
MPU2016-XXX	16-port, 2 digital KVM paths, single AC power supply
MPU2016DAC-XXX	16-port, 2 digital KVM paths, dual AC power supply
MPU2032-XXX	32-port, 2 digital KVM paths, single AC power supply
MPU2032DAC-XXX	32-port, 2 digital KVM paths, dual AC power supply
MPU4032-XXX	32-port, 4 digital KVM paths, single AC power supply
MPU4032DAC-XXX	32-port, 4 digital KVM paths, dual AC power supply
MPU8032-XXX	32-port, 8 digital KVM paths, single AC power supply
MPU8032DAC-XXX	32-port, 8 digital KVM paths, dual AC power supply

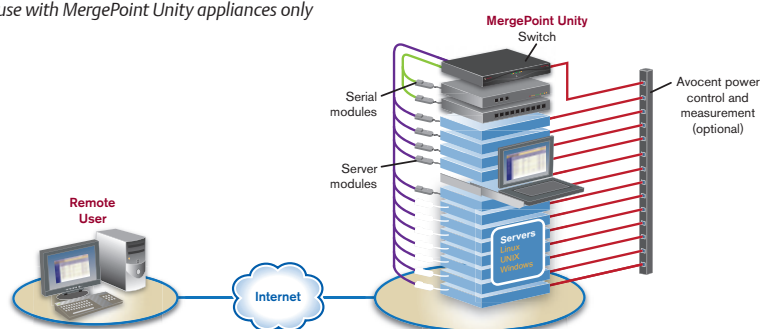
For country-specific availability, please contact an Avocent sales representative.

## CABLES AND ACCESSORIES (ONE REQUIRED PER ATTACHED DEVICE)

MPUIQ-SRL-XXX	MergePoint Unity serial IQ (requires power from USB source or optional UPD-AM)*
UPD-AM	Power supply for MPUIQ-SRL modules; each UPD-AM can power up to four serial interface modules
DSAVIQ-USB2	Virtual media server interface module for VGA video and USB 2.0 with 14-inch cable
DSAVIQ-USB2L	Virtual media server interface module for VGA video and USB 2.0 with 20-inch cable
DSAVIQ-PS2M	Virtual media server interface module for VGA video, PS/2 keyboard and mouse and USB 2.0 virtual media with 14-inch PS/2 and USB cables
DSRIQ-VMC	USB 2.0 server interface module supporting virtual media and smart card/CAC - with 20-inch cable
MPUIQ-VMC	USB 2.0 server interface module supporting virtual media and smart card/CAC - with 20-inch cable (supports video up to 1600x1200)*

Note: Legacy DSRIQs are also supported, please contact an Avocent sales representative for more information.

\* For use with MergePoint Unity appliances only



**Emerson Network Power.**  
The global leader in enabling  
Business-Critical Continuity™.

AC Power  
Connectivity  
DC Power  
Embedded Computing

Embedded Power  
Infrastructure Management & Monitoring  
Outside Plant  
Power Switching & Controls

Precision Cooling  
Racks & Integrated Cabinets  
Services  
Surge Protection

Emerson Network Power  
Avocent Corporation [www.avocent.com](http://www.avocent.com)

[EmersonNetworkPower.com](http://EmersonNetworkPower.com)

Emerson, Business-Critical Continuity and Emerson Network Power are trademarks of Emerson Electric Co. or one of its affiliated companies. All other marks are the property of their respective owners. ©2010 Emerson Electric Co.  
0611-MPU-DS-EN